

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020222\
 Data File : VW022031.D
 Acq On : 02 Feb 2022 15:11
 Operator : SY/VA
 Sample : N1353-03
 Misc : 4.09g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COVE4

Quant Time: Feb 03 00:43:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020122SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 03 00:41:48 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	152596	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	146402	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	74863	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	43375	23.598	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.400%
7) Chloroethane-d5	2.879	69	27291	19.286	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.160%
11) 1,1-Dichloroethene-d2	4.013	63	49086	15.115	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.440%
21) 2-Butanone-d5	7.080	46	20675	63.416	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.840%
24) Chloroform-d	7.647	84	72944	20.546	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.200%
26) 1,2-Dichloroethane-d4	8.305	65	41150	23.297	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	8.275	84	150578	20.353	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	9.274	67	43014	21.375	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.480%
41) Toluene-d8	10.323	98	168261	22.948	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	10.579	79	18455	20.939	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.760%
47) 2-Hexanone-d5	10.920	63	18964	64.818	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.640%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	35551	21.660	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.640%
66) 1,2-Dichlorobenzene-d4	13.847	152	58201	21.551	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.200%
Target Compounds						Qvalue
13) Acetone	4.117	43	98669	324.056	ug/L	99
22) 2-Butanone	7.165	43	64381	163.311	ug/L	96
34) Trichloroethene	8.848	95	4256	1.950	ug/L #	1
35) Methylcyclohexane	9.335	83	14117	3.834	ug/L	95
39) cis-1,3-Dichloropropene	10.036	75	1628	0.602	ug/L #	65
40) 4-Methyl-2-pentanone	10.207	43	854834	1033.459	ug/L	99
42) Toluene	10.384	91	1803919	207.324	ug/L	97
45) 1,1,2-Trichloroethane	10.762	97	62745	43.788	ug/L #	21
48) 2-Hexanone	10.933	43	18032	29.289	ug/L #	27
52) Ethylbenzene	11.731	91	8542351	889.811	ug/L	91
53) m,p-Xylene	11.835	106	10221374	2566.176	ug/L	62
54) o-Xylene	12.170	106	5880063	1578.116	ug/L	91
55) Styrene	12.164	104	306711	50.961	ug/L #	1
60) Isopropylbenzene	12.463	105	69091	7.064	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	93296	14.382	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	232383	29.403	ug/L	99
71) Naphthalene	15.359	128	8389	1.921	ug/L	99

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Quant Title : SFAM01.0
QLast Update : Thu Feb 03 00:41:48 2022
Response via : Initial Calibration

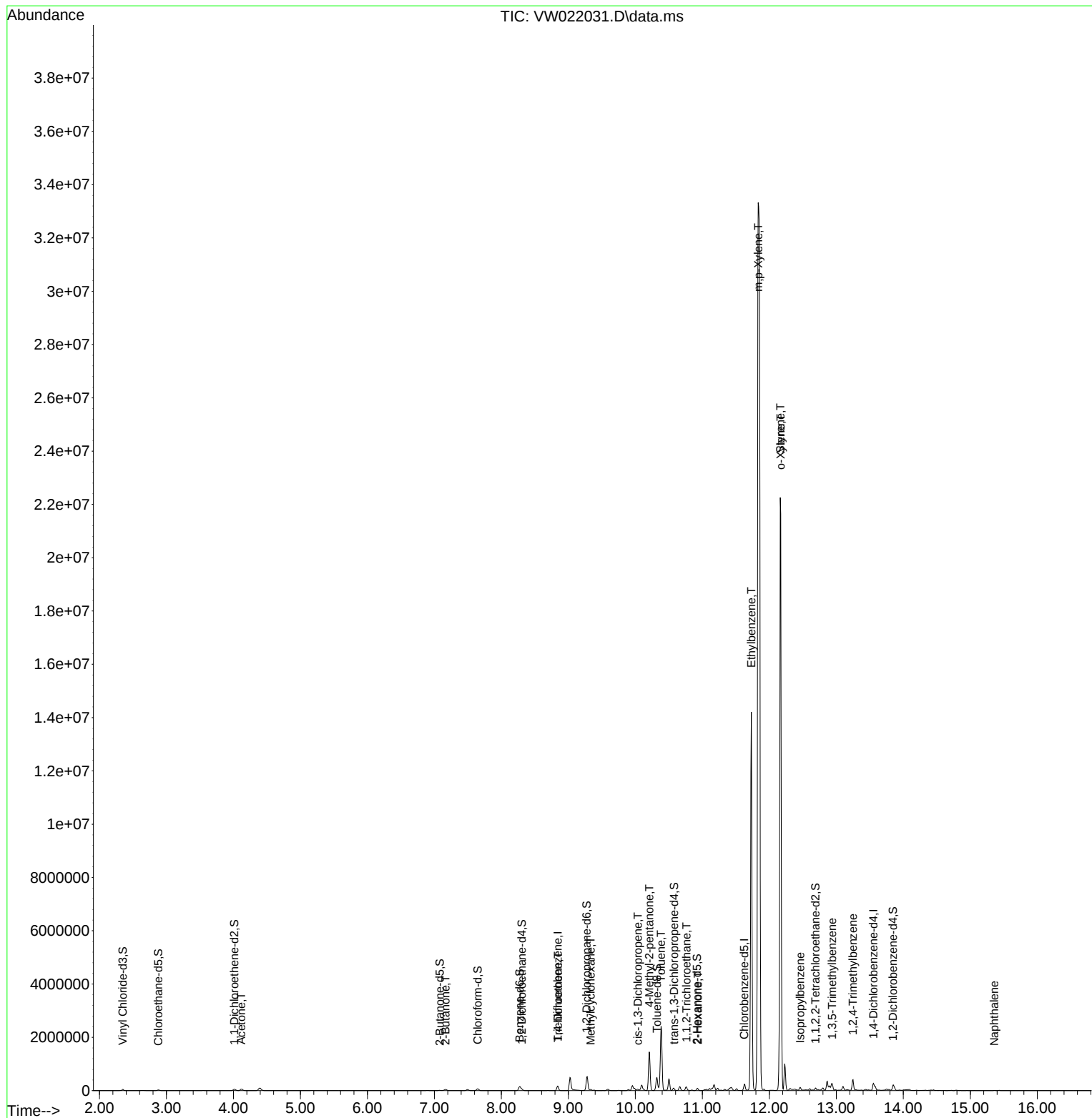
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

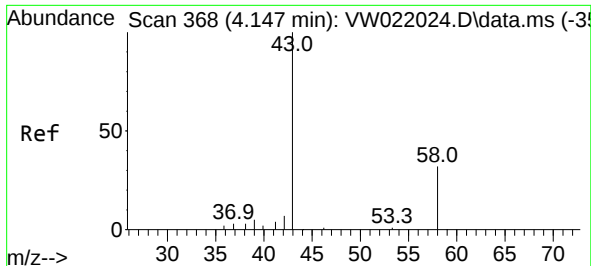
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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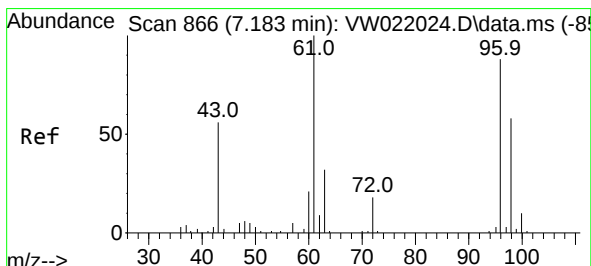
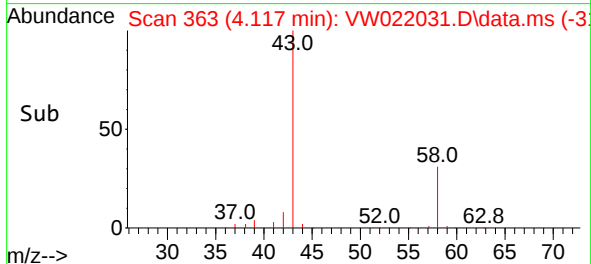
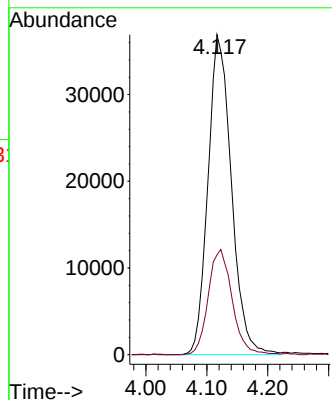
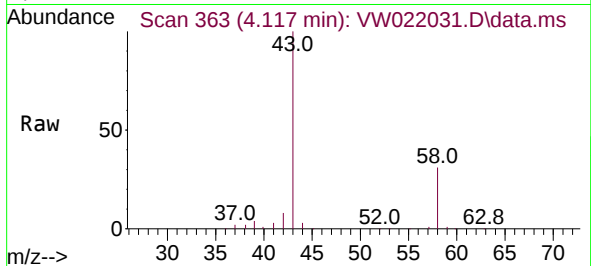




#13
Acetone
Concen: 324.056 ug/L
RT: 4.117 min Scan# 30
Delta R.T. -0.030 min
Lab File: VW022031.D
Acq: 02 Feb 2022 15:11

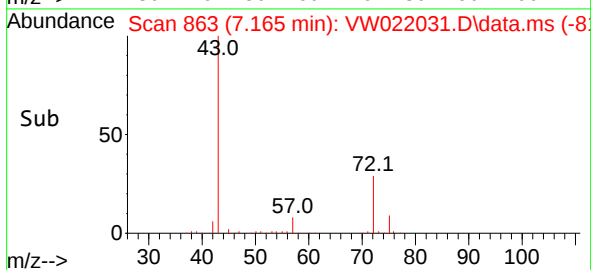
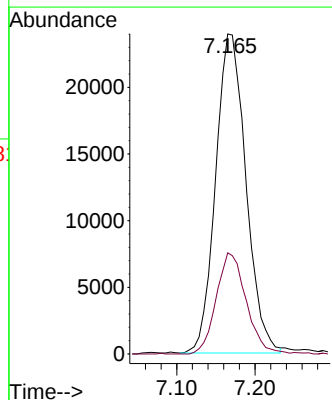
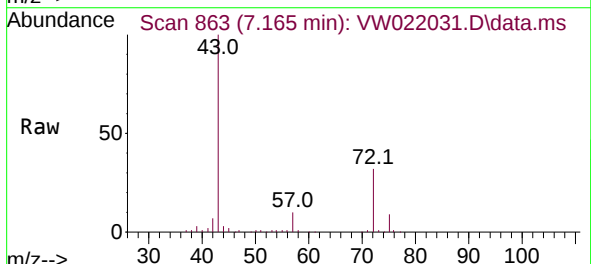
Instrument :
MSVOA_W
ClientSampleId :
COVE4

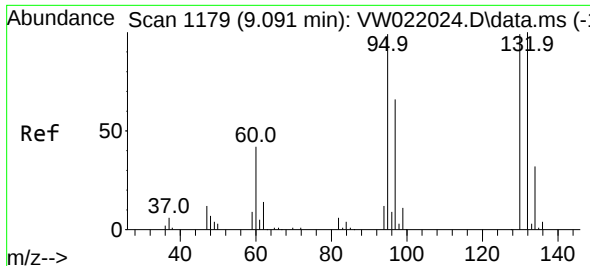
Tgt Ion: 43 Resp: 98669
Ion Ratio Lower Upper
43 100
58 33.4 0.0 66.0



#22
2-Butanone
Concen: 163.311 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.018 min
Lab File: VW022031.D
Acq: 02 Feb 2022 15:11

Tgt Ion: 43 Resp: 64381
Ion Ratio Lower Upper
43 100
72 31.2 16.8 50.4





#34

Trichloroethene

Concen: 1.950 ug/L

RT: 8.848 min Scan# 1139

Delta R.T. -0.244 min

Lab File: VW022031.D

Acq: 02 Feb 2022 15:11

Instrument :

MSVOA_W

ClientSampleId :

COVE4

Tgt Ion: 95 Resp: 4256

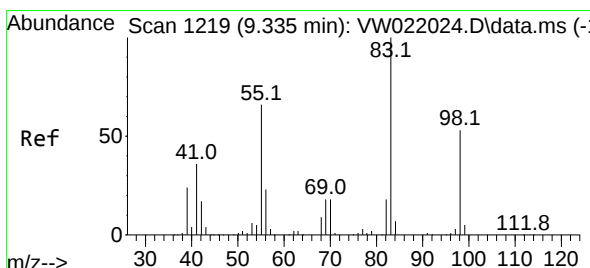
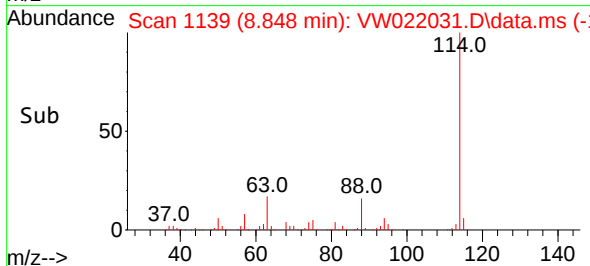
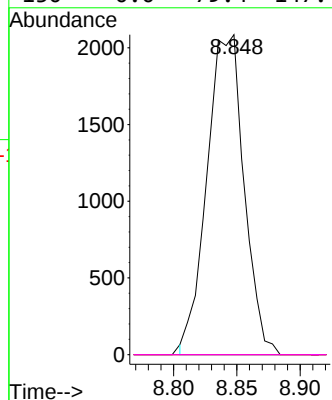
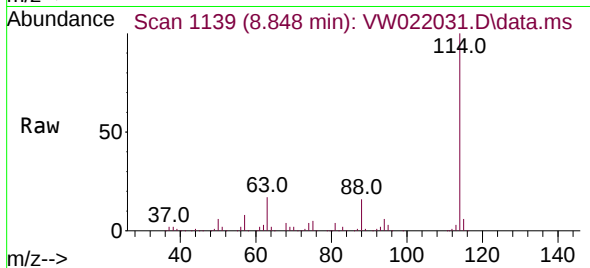
Ion Ratio Lower Upper

95 100

97 0.0 45.1 83.7#

132 0.0 76.1 141.3#

130 0.0 79.4 147.4#



#35

Methylcyclohexane

Concen: 3.834 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW022031.D

Acq: 02 Feb 2022 15:11

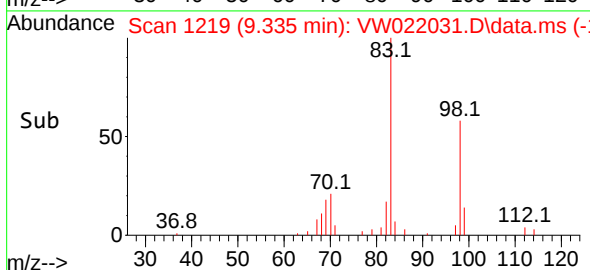
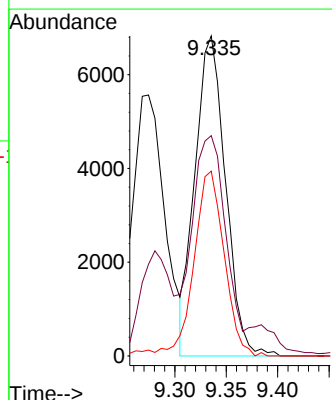
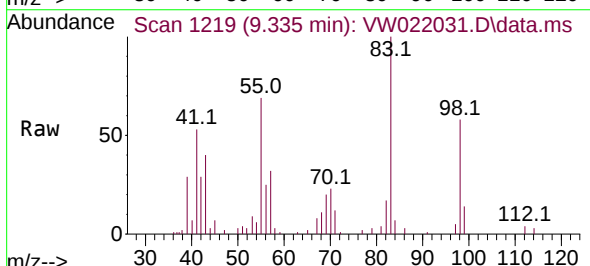
Tgt Ion: 83 Resp: 14117

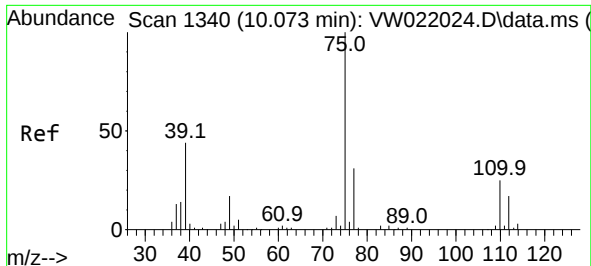
Ion Ratio Lower Upper

83 100

55 63.0 53.4 80.2

98 56.7 42.6 63.8





#39

cis-1,3-Dichloropropene

Concen: 0.602 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW022031.D

Acq: 02 Feb 2022 15:11

Instrument :

MSVOA_W

ClientSampleId :

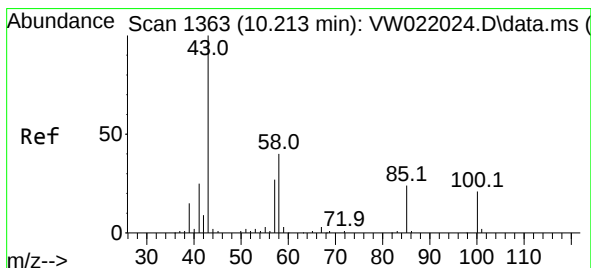
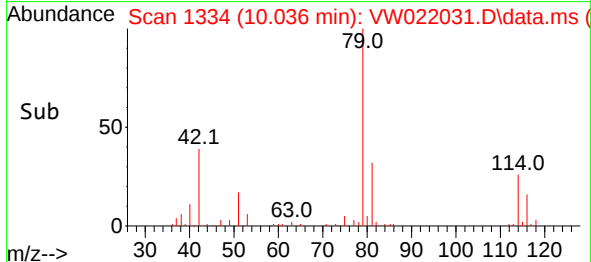
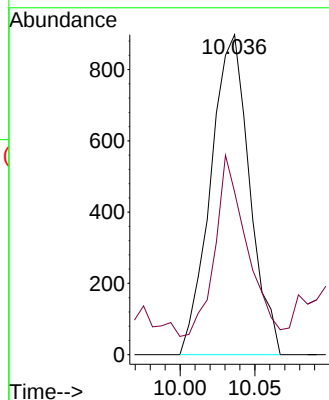
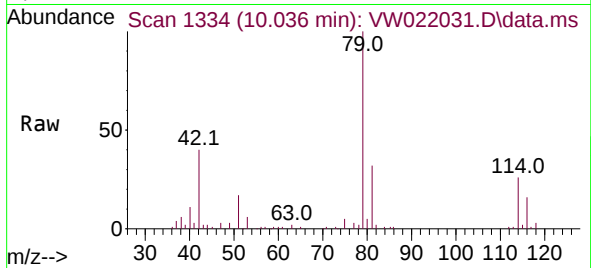
C0VE4

Tgt Ion: 75 Resp: 1628

Ion Ratio Lower Upper

75 100

77 50.8 21.9 40.7#



#40

4-Methyl-2-pentanone

Concen: 1033.459 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.006 min

Lab File: VW022031.D

Acq: 02 Feb 2022 15:11

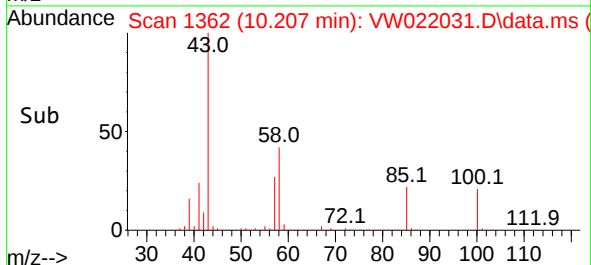
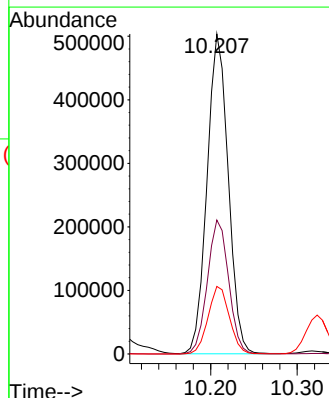
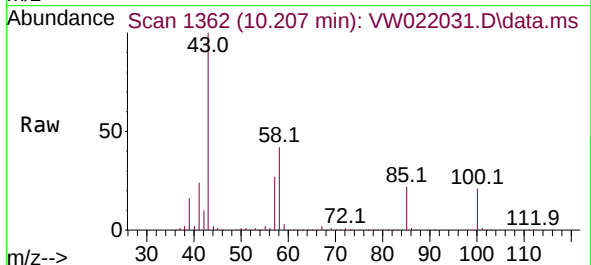
Tgt Ion: 43 Resp: 854834

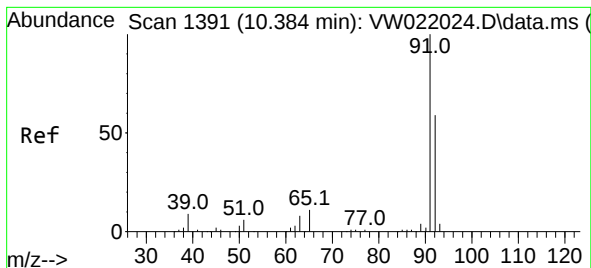
Ion Ratio Lower Upper

43 100

58 42.1 34.4 51.6

100 21.3 17.0 25.4





#42

Toluene

Concen: 207.324 ug/L

RT: 10.384 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW022031.D

Acq: 02 Feb 2022 15:11

Instrument :

MSVOA_W

ClientSampleId :

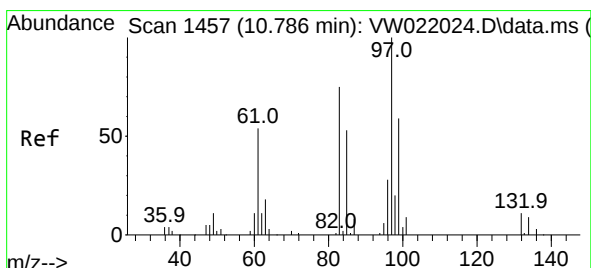
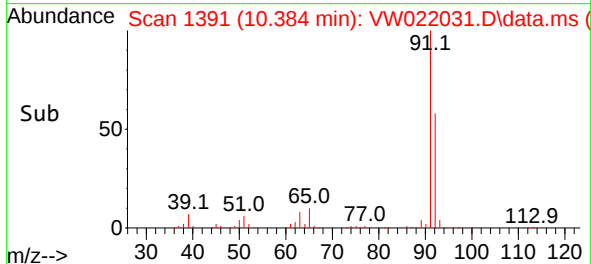
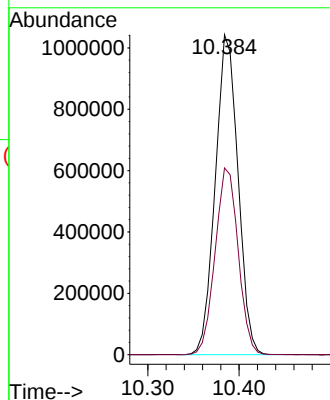
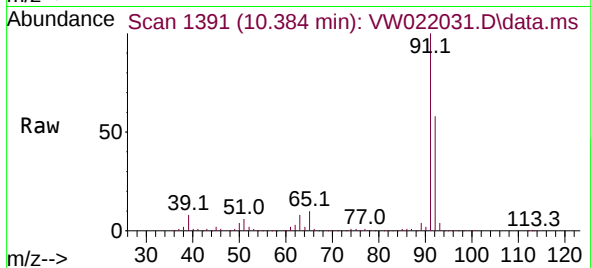
COVE4

Tgt Ion: 91 Resp: 1803919

Ion Ratio Lower Upper

91 100

92 58.4 42.6 79.2



#45

1,1,2-Trichloroethane

Concen: 43.788 ug/L

RT: 10.762 min Scan# 1453

Delta R.T. -0.024 min

Lab File: VW022031.D

Acq: 02 Feb 2022 15:11

Tgt Ion: 97 Resp: 62745

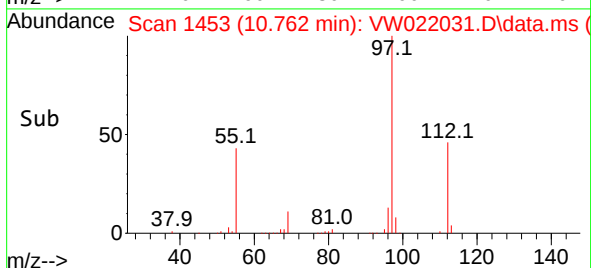
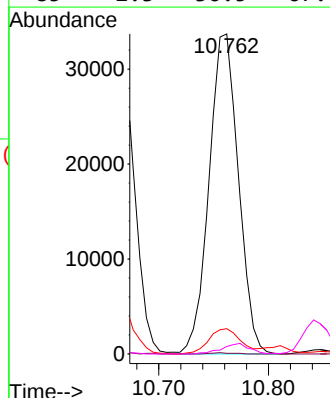
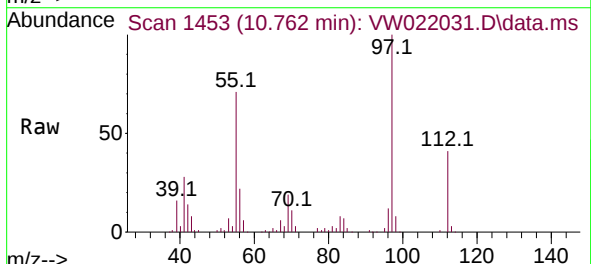
Ion Ratio Lower Upper

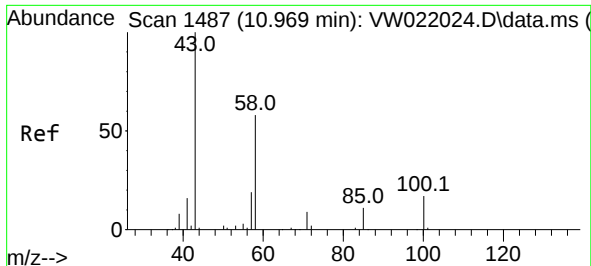
97 100

99 0.2 43.8 81.4#

83 7.9 56.1 104.3#

85 2.3 36.5 67.7#

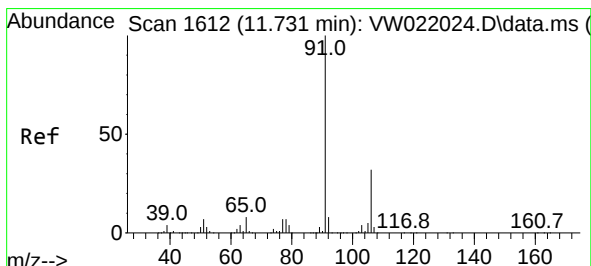
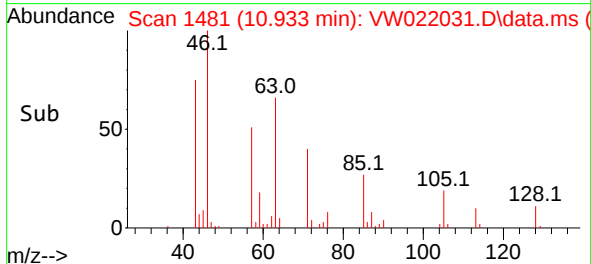
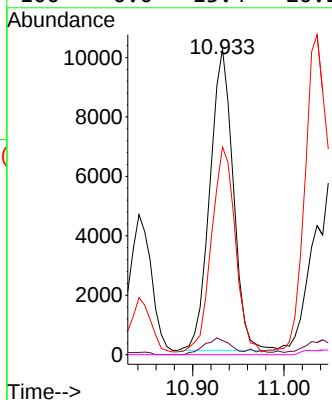
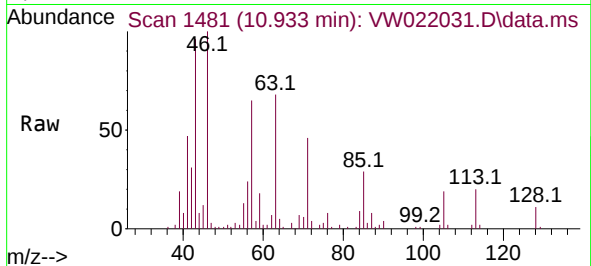




#48
2-Hexanone
Concen: 29.289 ug/L
RT: 10.933 min Scan# 1487
Delta R.T. -0.037 min
Lab File: VW022031.D
Acq: 02 Feb 2022 15:11

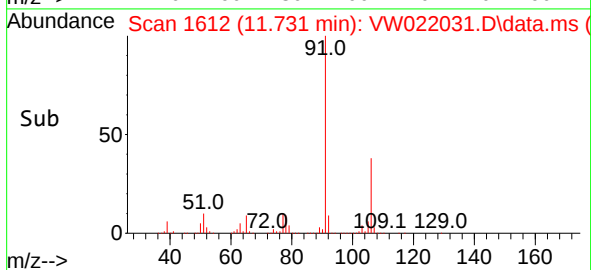
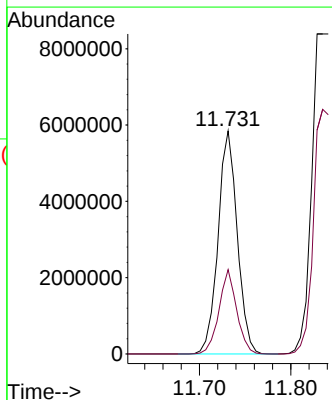
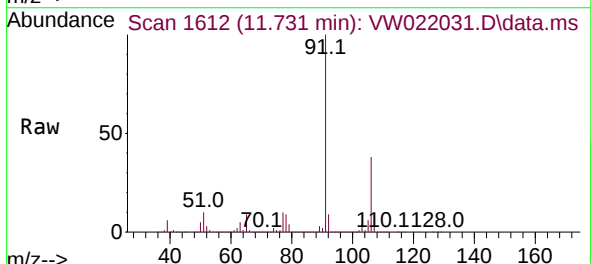
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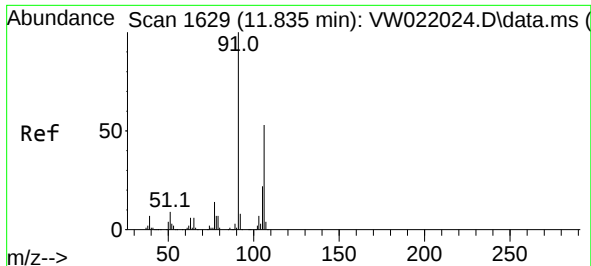
Tgt Ion: 43 Resp: 18032
Ion Ratio Lower Upper
43 100
58 6.3 49.2 73.8#
57 69.0 16.6 24.8#
100 0.0 13.4 20.2#



#52
Ethylbenzene
Concen: 889.811 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW022031.D
Acq: 02 Feb 2022 15:11

Tgt Ion: 91 Resp: 8542351
Ion Ratio Lower Upper
91 100
106 37.8 22.8 42.4

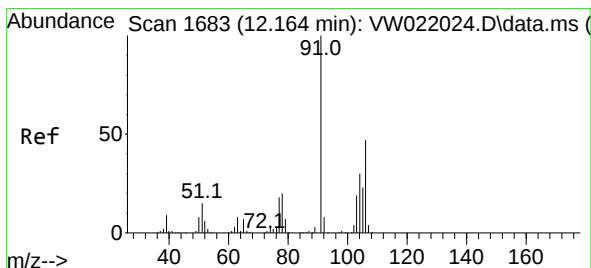
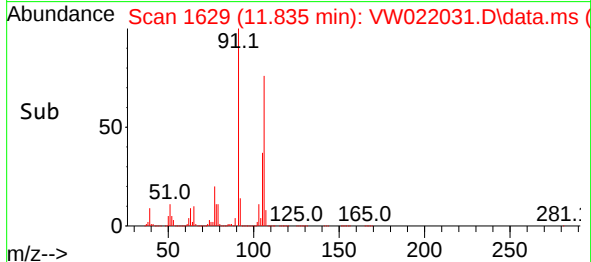
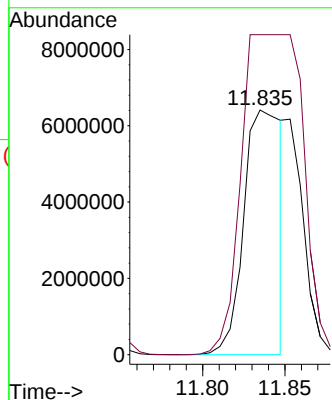
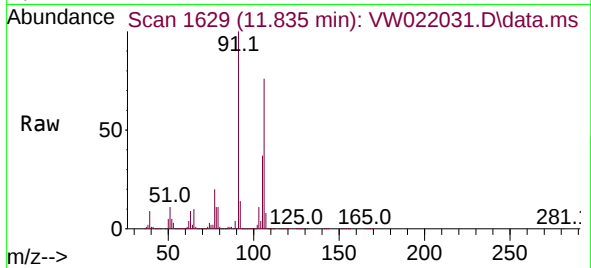




#53
m,p-Xylene
Concen: 2566.176 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW022031.D
Acq: 02 Feb 2022 15:11

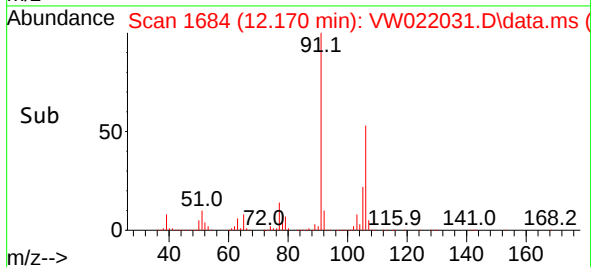
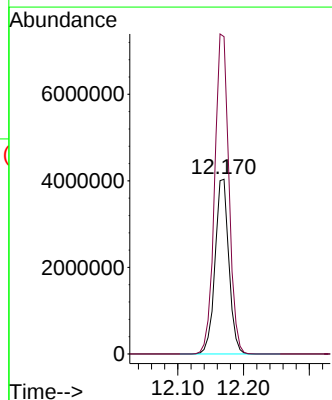
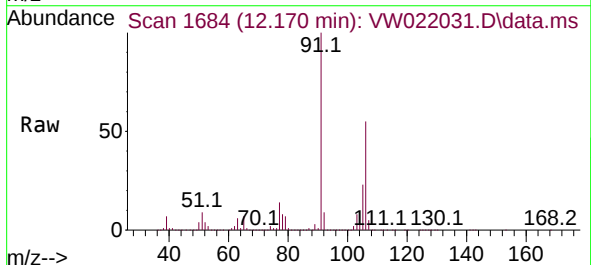
Instrument :
MSVOA_W
ClientSampleId :
C0VE4

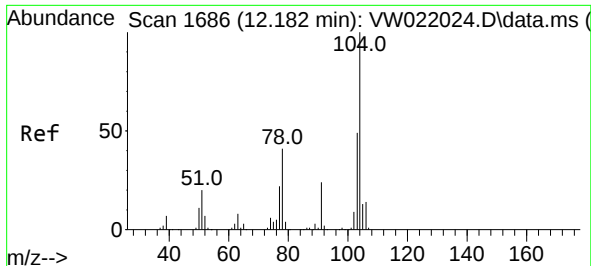
Tgt Ion:106 Resp:10221374
Ion Ratio Lower Upper
106 100
91 130.8 129.6 240.8



#54
o-Xylene
Concen: 1578.116 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW022031.D
Acq: 02 Feb 2022 15:11

Tgt Ion:106 Resp: 5880063
Ion Ratio Lower Upper
106 100
91 181.5 136.4 253.4

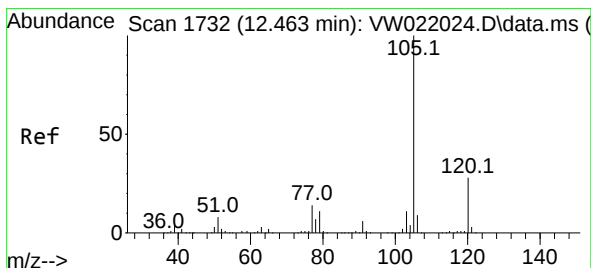
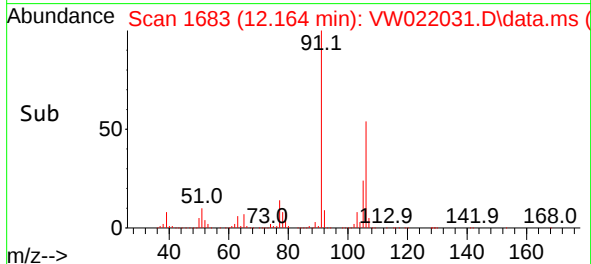
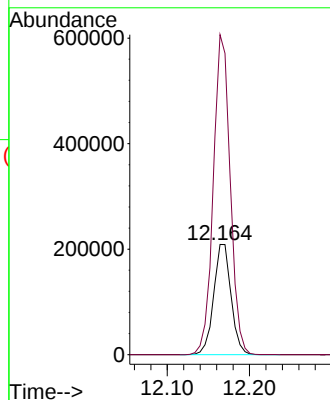
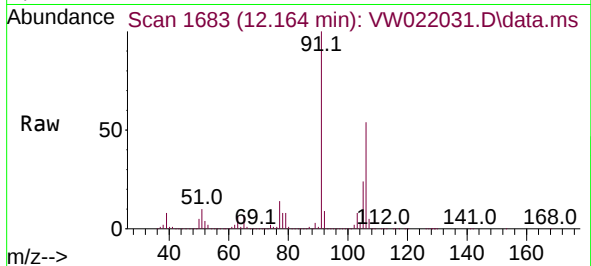




#55
Styrene
Concen: 50.961 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.018 min
Lab File: VW022031.D
Acq: 02 Feb 2022 15:11

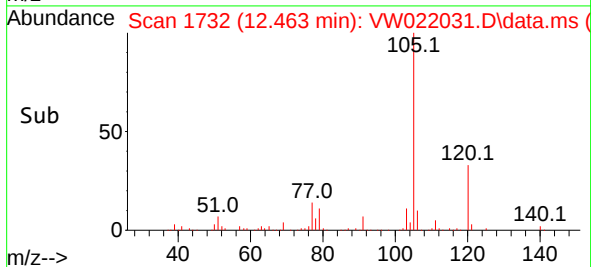
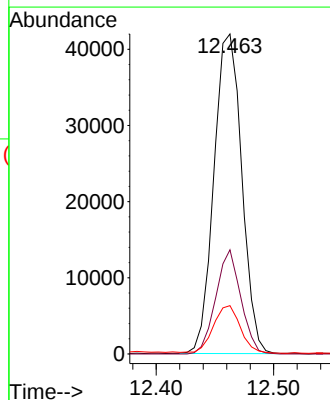
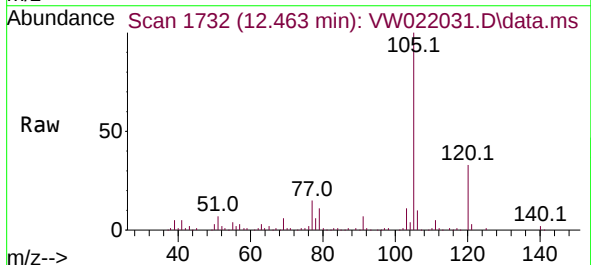
Instrument :
MSVOA_W
ClientSampleId :
COVE4

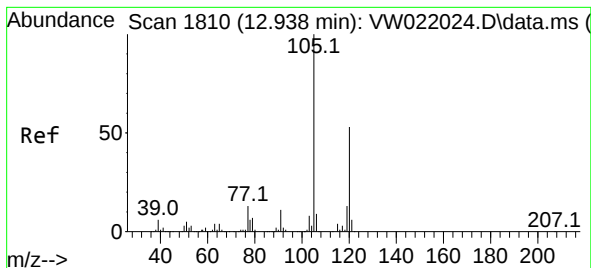
Tgt Ion:104 Resp: 306711
Ion Ratio Lower Upper
104 100
78 290.3 30.9 57.5#



#60
Isopropylbenzene
Concen: 7.064 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW022031.D
Acq: 02 Feb 2022 15:11

Tgt Ion:105 Resp: 69091
Ion Ratio Lower Upper
105 100
120 29.3 22.1 33.1
77 14.5 11.8 17.8

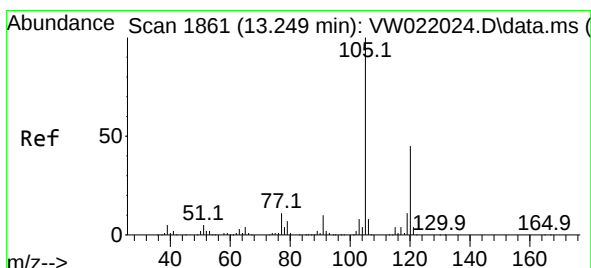
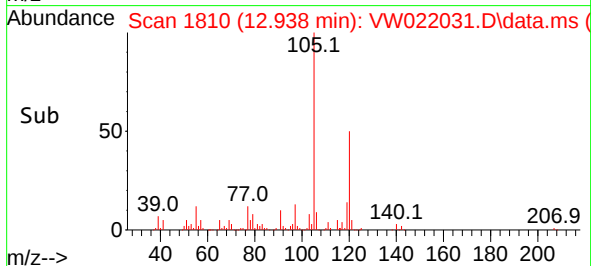
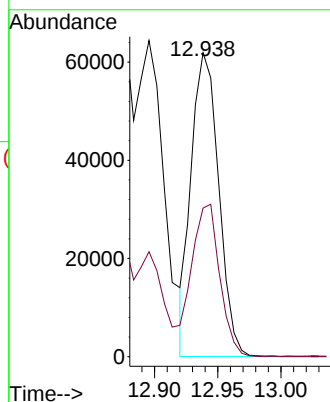
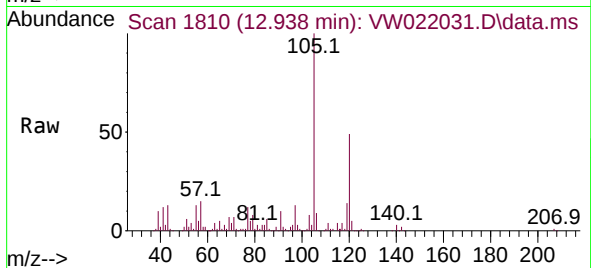




#62
1,3,5-Trimethylbenzene
Concen: 14.382 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW022031.D
Acq: 02 Feb 2022 15:11

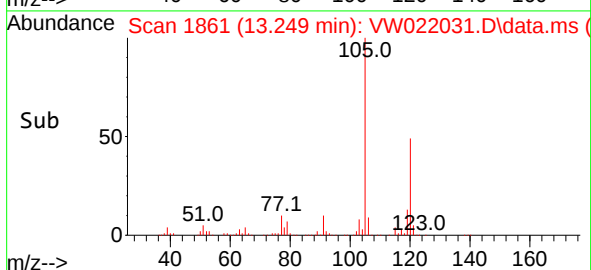
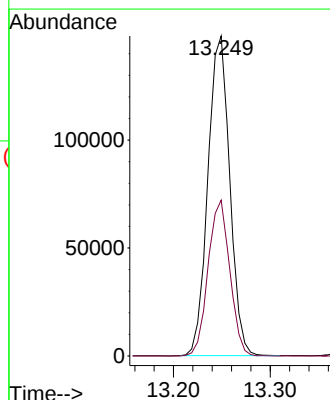
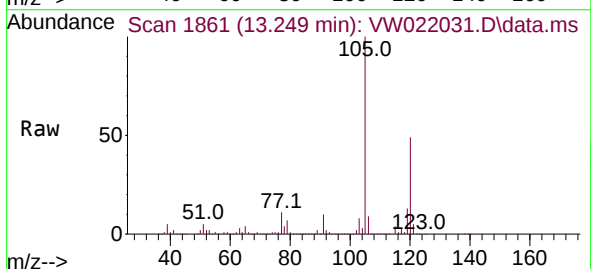
Instrument :
MSVOA_W
ClientSampleId :
COVE4

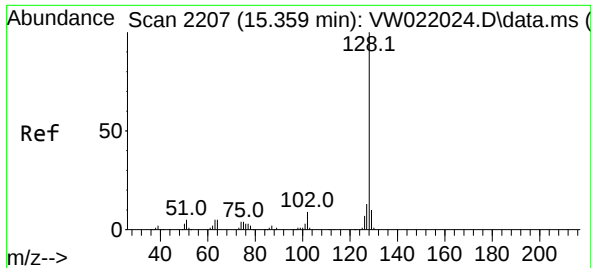
Tgt Ion:105 Resp: 93296
Ion Ratio Lower Upper
105 100
120 53.0 40.9 61.3



#63
1,2,4-Trimethylbenzene
Concen: 29.403 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW022031.D
Acq: 02 Feb 2022 15:11

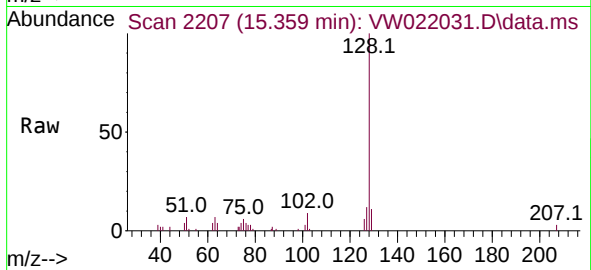
Tgt Ion:105 Resp: 232383
Ion Ratio Lower Upper
105 100
120 48.3 37.8 56.8





#71
Naphthalene
Concen: 1.921 ug/L
RT: 15.359 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW022031.D
Acq: 02 Feb 2022 15:11

Instrument :
MSVOA_W
ClientSampleId :
C0VE4



Tgt Ion:128 Resp: 8389
Ion Ratio Lower Upper
128 100
127 13.0 11.0 16.4
129 10.7 8.7 13.1

